

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: W22 IE1 Three-Phase		Product code : 11210838
Frame	: 315L	Locked rotor time	: 21s (cold) 12s (hot)	
Output	: 250 kW	Temperature rise	: 80 K	
Poles	: 4	Duty cycle	: S1	
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C	
Rated voltage	: 380/660 V	Altitude	: 1000 m.a.s.l.	
Rated current	: 461/265 A	Protection degree	: IP55	
L. R. Amperes	: 3596/2070 A	Cooling method	: IC411 - TEFC	
LRC	: 7.8	Mounting	: B3T	
No load current	: 147/84.6 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1490 rpm	Noise level ²	: 74.0 dB(A)	
Slip	: 0.67 %	Starting method	: Direct On Line	
Rated torque	: 163 kgfm	Approx. weight ³	: 1423 kg	
Locked rotor torque	: 220 %			
Breakdown torque	: 220 %			
Insulation class	: F			
Service factor	: 1.00			
Moment of inertia (J)	: 5.40 kgm ²			
Design	: N			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	95.4	94.9	94.7	Max. traction : 2394 kgf
Power Factor	0.79	0.85	0.87	Max. compression : 3817 kgf
		<u>Drive end</u>		<u>Non drive end</u>
Bearing type	:	6319 C3		6316 C3
Sealing	:	WSeal		WSeal
Lubrication interval	:	11000 h		13000 h
Lubricant amount	:	45 g		34 g
Lubricant type	:	Mobil Polyrex EM		
Notes				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.				
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.				
Rev.	Changes Summary		Performed	Checked
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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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TORQUE AND CURRENT VS SPEED CURVE

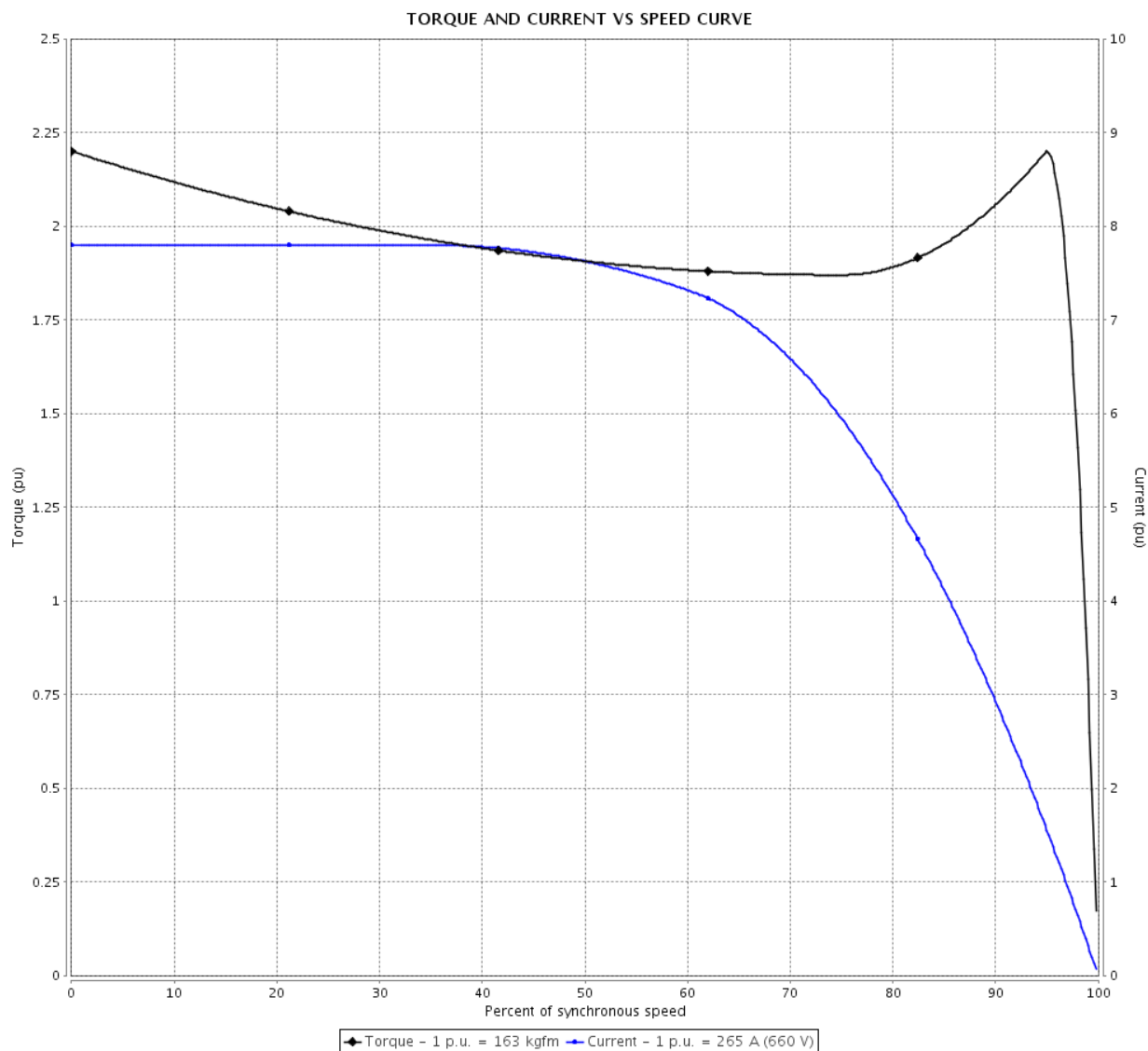
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Product code : 11210838



Performance : 380/660 V 50 Hz 4P

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 Breakdown torque : 220 %
 Rated speed : 1490 rpm

Moment of inertia (J) : 5.40 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Locked rotor time : 21s (cold) 12s (hot)

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LOAD PERFORMANCE CURVE

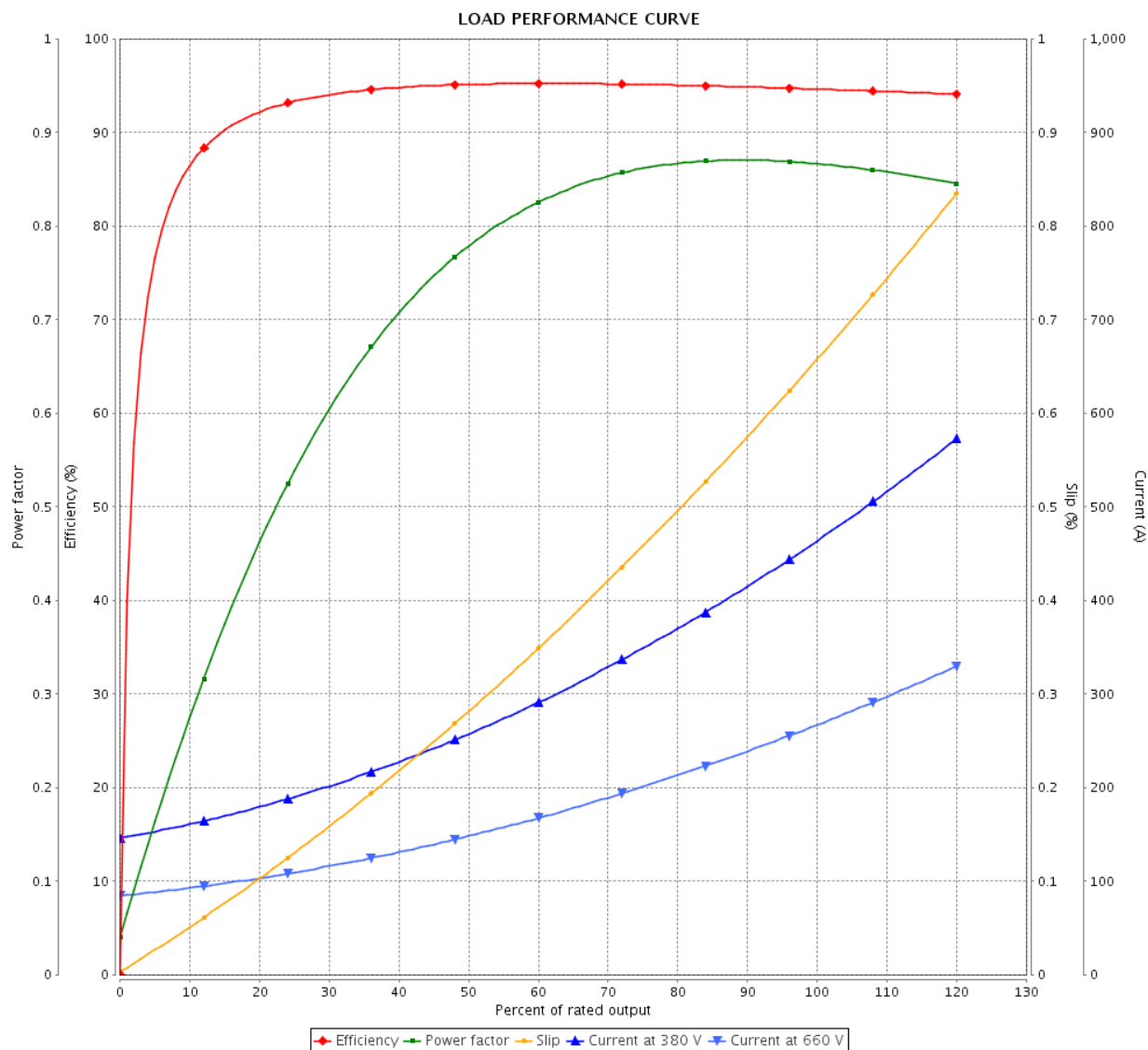
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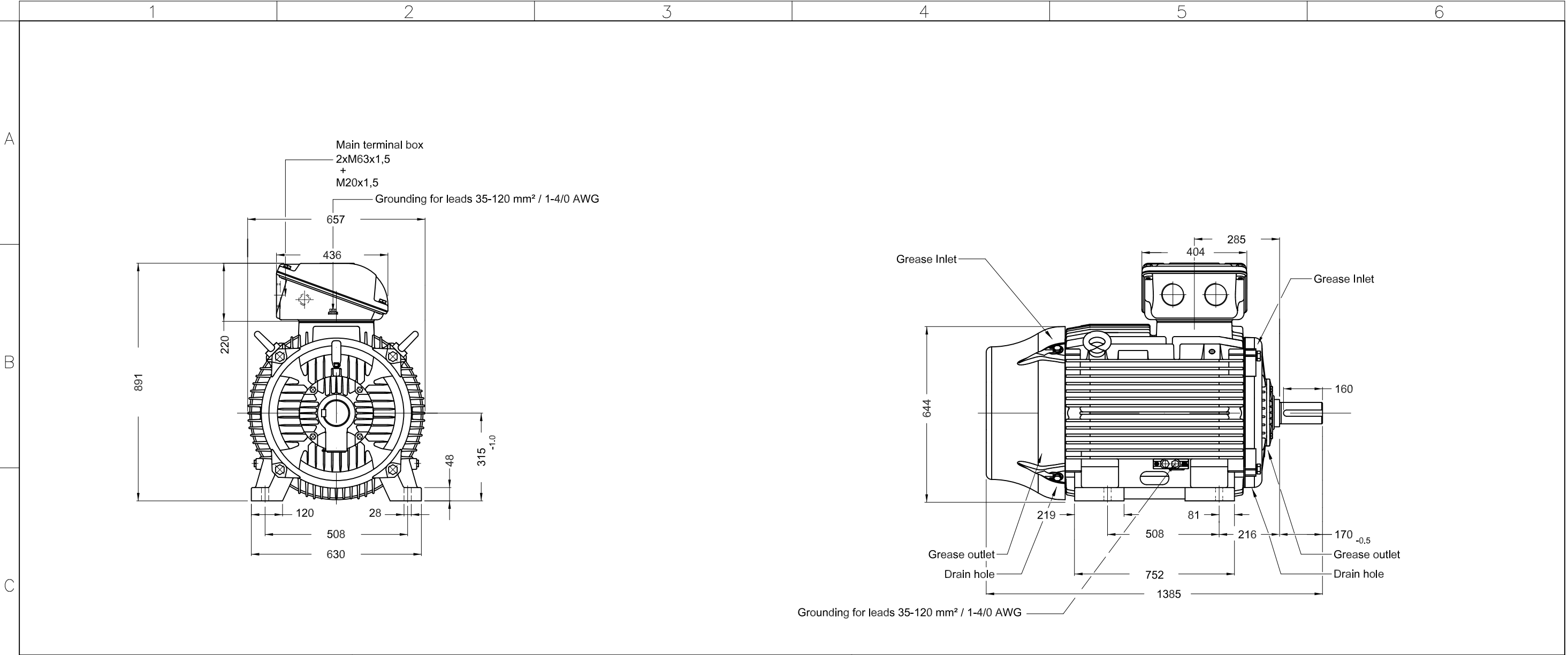


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